

ABSTRACT

Network architectures and protocols to support enhancements to the decision making process of standard routing protocols are described. Embodiments allow decisions to be exchanged between networks, or autonomous systems, about which internetwork paths have been chosen for outbound traffic. Some embodiments of the invention allow information about the measured performance of internetwork paths to be exchanged between autonomous systems. Embodiments allow additional policy information to be communicated between networks, including but not limited to information about why local policy decisions have been made; requests of policies from remote networks; performance information about particular paths; and informational status. Such information may be exchanged dynamically between networks.